

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	09/801,407	BASKEY ET AL.	
	Examiner	Art Unit	
	Kenneth Tang	2195	

All Participants:

(1) Kenneth Tang.

(2) John E. Campbell (Reg. No. 52,687).

Status of Application: Amendment after non-final

(3) _____.

(4) _____.

Date of Interview: 19 April 2006

Time: 10AM

Type of Interview:

☒ Telephonic

☐ Video Conference

☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☒ Yes ☐ No

If Yes, provide a brief description: Proposed Amendment was given to Examiner.

Part I.

Rejection(s) discussed:

NA

Claims discussed:

59, 63, 69, 78, and 97

Prior art documents discussed:

NA

Part II.


SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:

It was agreed to amend the claims according to the Examiner's Amendment

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.


LEWIS A. BULLOCK, JR.
PRIMARY EXAMINER


(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Requested by Examiner
and received by 09/801,407
email. 4/19/06 KT

1IN THE U.S. PATENT & TRADEMARK OFFICE

Applicant: Baskey et al. : GROUP ART UNIT 2195
Serial No. 09/801,407 : Examiner Kenneth Tang
Filed: 03/08/2001 :
Title: INTER-PARTITION MESSAGE : John E. Campbell
PASSING METHOD, SYSTEM AND : Intellectual Property Law
PROGRAM PRODUCT FOR THROUGHPUT : 2455 South Road, P386
MEASUREMENT IN A PARTITIONED : Poughkeepsie, NY 12601
PROCESSING ENVIRONMENT

Commissioner for Patents
P.O. Box 1450
Alexandria Va. 22313-1450

Examiners Amendment

Sir:

The Examiner initiated telephone interview of April 18, 2006 having been conducted, Applicants respectfully request reconsideration of the outstanding rejections and further examination of the present application in light of the following remarks and amendments:

CERTIFICATE OF FACSIMILE TRANSMISSION 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being FACSIMILE TRANSMITTED to Group 2127, Examiner Kenneth Tang at 703-872-9306 on February 24, 2005.

Susan L. Nelson

Date of Signature

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 15 of this paper.

Amendments to the Claims:

Please amend Claims 59, 78 and 97 as shown and cancel Claims 62-63, 69, 81-82, 88, 100-101 and 107.

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of claims:

0-58, 62-63, 69, 81-82, 88, 100-101 and 107 (Canceled)

59. (Currently amended): A system for the collection and analysis of computer system capacity data in a partitioned computer system having a computer system first partition and a computer system second partition, the system comprising:

a network;

a partitioned computer system in communication with the network wherein the partitioned computer system includes instructions to execute a method comprising the steps of:

a) an analysis application running in a computer system second partition obtaining throughput information of a computer system first partition by way of a shared portion of memory, the shared portion of memory programmably accessible to both partitions, the shared memory for transferring information between the computer system first partition and the computer system second partition;

b) the analysis application obtaining resource utilization information of the computer system first partition by way of a shared portion of memory,;

c) the analysis application calculating a resource control parameter using the resource utilization information obtained and the throughput information obtained, the resource control parameter comprising curve fitted throughput information as a function of resource utilization, wherein the curve fitted throughput information is derived from the throughput information obtained; and

d) providing the resource control parameter to a user agent, the resource control parameter indicating real time resource performance; and

e) the user agent displaying the resource control parameter at a terminal.

60. (Previously presented): The system according to claim 59 wherein the resource utilization information comprises CPU utilization.

61. (Previously presented): The system according to claim 59 comprising the further step of the user agent displaying at a terminal, the resource control parameter wherein the resource control parameter comprises the throughput information as a function of resource utilization.

62. (Canceled)

63. (Canceled)

64. (Previously presented): The system according to claim 59 comprising the further step of the user agent displaying as a graph at a terminal the resource control parameter, the display comprising effective utilization versus resource utilization wherein effective utilization derived in the calculating step comprises change in throughput divided by change in resource utilization.

65. (Previously presented): The system according to claim 64 comprising the further step of the user agent displaying at a terminal a mark, the mark indicating the utilization at which the effective utilization is half of its maximum.

66. (Previously presented): The system according to claim 59 comprising the further step of the user agent using the resource control parameter to adjust resources allocated to the first partition.

67. (Previously presented): The system according to claim 66 wherein the using step is performed by a workload manager.

68. (Previously presented): The system according to claim 67 wherein the workload manager is in a third partition.

69. (Canceled)

70. (Previously presented): The system according to claim 59 comprising the further step of providing the throughput information and the resource utilization information for the calculating step using a single operation memory to memory transfer function.

71. (Previously presented): The system according to claim 66 wherein the workload is managed by modifying resources allocated to the first partition.

72. (Previously presented): The system according to claim 71 wherein the resources include I/O.

73. (Previously presented): The system according to claim 71 wherein the resources include memory.

74. (Previously presented): The system according to claim 71 wherein the resources include processors.

75. (Previously presented): The system according to claim 66 wherein the workload is managed dynamically.

76. (Previously presented): The system according to claim 59 wherein the throughput information comprises network packet counts.

77. (Previously presented): The system according to claim 59 wherein the throughput information comprises an inverse throughput.

78. (Currently amended): A computer program product for the collection and analysis of computer system capacity data in a partitioned computer system having a computer system first partition and a computer system second partition, the computer program product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by a processing circuit for performing a method comprising the steps of:

a) an analysis application running in a computer system second partition obtaining throughput information of a computer system first partition by way of a shared portion of memory, the shared portion of memory programmably accessible to both partitions, the shared memory for transferring information between the computer system first partition and the computer system second partition;

b) the analysis application obtaining resource utilization information of the computer system first partition by way of a shared portion of memory,;

c) the analysis application calculating a resource control parameter using the resource utilization information obtained and the throughput information obtained, the resource control parameter comprising curve fitted throughput information as a function of resource utilization, wherein the curve fitted throughput information is derived from the throughput information obtained; and

d) providing the resource control parameter to a user agent, the resource control parameter indicating real time resource performance; and

e) the user agent displaying the resource control parameter at a terminal.

79. (Previously presented): The computer program product according to claim 78 wherein the resource utilization information comprises CPU utilization.

80. (Previously presented): The computer program product according to claim 78 comprising the further step of the user agent displaying at a terminal, the resource control parameter wherein the resource control parameter comprises the throughput information as a function of resource utilization.

81. (Canceled)

82. (Canceled)

83. (Previously presented): The computer program product according to claim 78 comprising the further step of the user agent displaying as a graph at a terminal the resource control parameter, the display comprising effective utilization versus resource utilization wherein effective utilization derived in the calculating step comprises change in throughput divided by change in resource utilization.

84. (Previously presented): The computer program product according to claim 83 comprising the further step of the user agent displaying at a terminal a mark, the mark indicating the utilization at which the effective utilization is half of its maximum.

85. (Previously presented): The computer program product according to claim 78 comprising the further step of the user agent using the resource control parameter to adjust resources allocated to the first partition.

86. (Previously presented): The computer program product according to claim 85 wherein the using step is performed by a workload manager.

87. (Previously presented): The computer program product according to claim 86 wherein the workload manager is in a third partition.

88. (Canceled)

89. (Previously presented): The computer program product according to claim 78 comprising the further step of providing the throughput information and the resource utilization information for the calculating step using a single operation memory to memory transfer function.

90. (Previously presented): The computer program product according to claim 85 wherein the workload is managed by modifying resources allocated to the first partition.

91. (Previously presented): The computer program product according to claim 90 wherein the resources include I/O.

92. (Previously presented): The computer program product according to claim 90 wherein the resources include memory.

93. (Previously presented): The computer program product according to claim 90 wherein the resources include processors.

94. (Previously presented): The computer program product according to claim 85 wherein the workload is managed dynamically.

95. (Previously presented): The computer program product according to claim 78 wherein the throughput information comprises network packet counts.

96. (Previously presented): The computer program product according to claim 78 wherein the throughput information comprises an inverse throughput.

97. (Currently amended): A computer implemented method for the collection and analysis of computer system capacity data in a partitioned computer system having a computer system first partition and a computer system second partition, the method comprising the steps of:

a) an analysis application running in a computer system second partition obtaining throughput information of a computer system first partition by way of a shared portion of memory, the shared portion of memory programmably accessible to both partitions, the shared memory for transferring information between the computer system first partition and the computer system second partition;

b) the analysis application obtaining resource utilization information of the computer system first partition by way of a shared portion of memory,;

c) the analysis application calculating a resource control parameter using the resource utilization information obtained and the throughput information obtained, the resource control parameter comprising curve fitted throughput information as a function of resource utilization, wherein the curve fitted throughput information is derived from the throughput information obtained; and

d) providing the resource control parameter to a user agent, the resource control parameter indicating real time resource performance; and

e) the user agent displaying the resource control parameter at a terminal.

98. (Previously presented): The method according to claim 97 wherein the resource utilization information comprises CPU utilization.

99. (Previously presented): The method according to claim 97 comprising the further step of the user agent displaying at a terminal, the resource control parameter wherein the resource control parameter comprises the throughput information as a function of resource utilization.

100. (Canceled)

101. (Canceled)

102. (Previously presented): The method according to claim 97 comprising the further step of the user agent displaying as a graph at a terminal the resource control parameter, the display comprising effective utilization versus resource utilization wherein effective utilization derived in the calculating step comprises change in throughput divided by ~~the~~ change in resource utilization.

103. (Previously presented): The method according to claim 102 comprising the further step of the user agent displaying at a terminal a mark, the mark indicating the utilization at which the effective utilization is half of its maximum.

104. (Currently amended): The method according to claim 97 comprising the further step of the user agent using the resource control parameter to adjust resources allocated to the first partition.

105. (Previously presented): The method according to claim 104 wherein the using step is performed by a workload manager.

106. (Previously presented): The method according to claim 105 wherein the workload manager is in a third partition.

107. (Canceled)

108. (Previously presented): The method according to claim 98 comprising the further step of providing the throughput information and the resource utilization information for the calculating step using a single operation memory to memory transfer function.
109. (Previously presented): The method according to claim 104 wherein the workload is managed by modifying resources allocated to the first partition.
110. (Previously presented): The method according to claim 109 wherein the resources include I/O.
111. (Previously presented): The method according to claim 109 wherein the resources include memory.
112. (Previously presented): A method according to claim 109 wherein the resources include processors.
113. (Previously presented): A method according to claim 104 wherein the workload is managed dynamically.
114. (Previously presented): A method according to claim 97 wherein the throughput information comprises network packet counts.
115. (Previously presented): A method according to claim 97 wherein the throughput information comprises an inverse throughput.

116. (Previously presented): The system according to claim 59

wherein the throughput information obtained comprises a network packet activity comprising a count of packets in and out of the system during an interval of time, wherein further the resource utilization obtained comprises CPU utilization during the interval of time, wherein the resource control parameter calculated comprises a representation of a relationship between the throughput information obtained and the resource utilization obtained.

117. (Previously presented): The system according to claim 116

comprising the further step of providing any one of the throughput information or the resource utilization information for the calculating step by way of a shared portion of memory, the shared portion of memory programmably accessible to both partitions, the shared memory for transferring information between the computer system first partition and the computer system second partition.

118. (Previously presented): The computer program product according to

claim 78 wherein the throughput information obtained comprises a network packet activity comprising a count of packets in and out of the system during an interval of time, wherein further the resource utilization obtained comprises CPU utilization during the interval of time, wherein the resource control parameter calculated comprises a representation of a relationship between the throughput information obtained and the resource utilization obtained.

119. (Previously presented): The computer program product according to

claim 118 comprising the further step of providing any one of the throughput information or the resource utilization information for the calculating step by way of a shared portion of memory, the shared portion of memory programmably accessible to both partitions, the shared memory for transferring information between the computer system first partition and the computer system second partition.

120. (Previously presented): The method according to claim 97

wherein the throughput information obtained comprises a network packet activity comprising a count of packets in and out of the system during an interval of time, wherein further the resource utilization obtained comprises CPU utilization during the interval of time, wherein the resource control parameter calculated comprises a relationship between the throughput information obtained and the resource utilization obtained.

121. (Previously presented): The method according to claim 120 comprising the further step of providing any one of the throughput information or the resource utilization information for the calculating step by way of a shared portion of memory, the shared portion of memory programmably accessible to both partitions, the shared memory for transferring information between the computer system first partition and the computer system second partition.

REMARKS

TELEPHONE INTERVIEW:

The Examiner initiated a telephone interview April 18, 2006 at which interview the Examiner said that the independent claims 59, 78 and 97 would be allowable if the Applicant would amend the independent claims by Examiners amendment to include the limitations of claims 63, 69, 82, 88, 101 and 107 respectively. The Applicant has amended the claims accordingly. The applicant submits that the claims as amended are allowable, which allowance is respectfully requested.

It is respectfully submitted that the application is now in condition for allowance, which allowance is respectfully requested.

RESPECTFULLY SUBMITTED

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